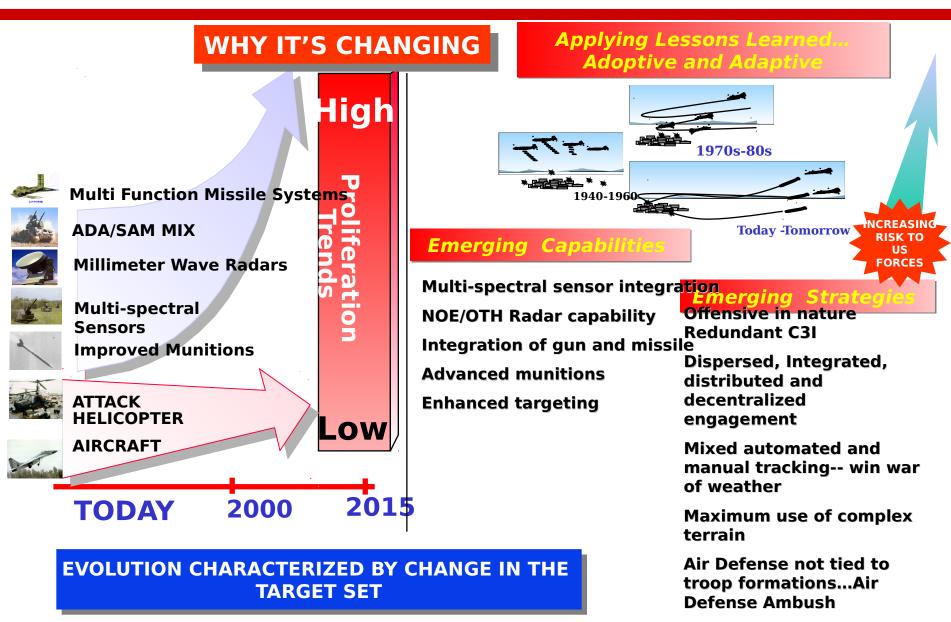


AIR DEFENSE THREAT (U)



TACTICAL SYSTEM TRENDS

- Networked ADA Systems
- Airburst Munitions
- Advanced Signal Processing Improved Clutter
 Processing Target Recognition
- Combination ADA/SAM
 Systems
- Sensor Integration Radar/EO
- All Weather Targeting



<u>Strategies</u>

Passive Intercept Point Target Defense Air Defense Ambush Not Tied to Troops





- Millimeter Wave Reduce Ground "Clutter" Hover detection
- Phased Array
- Low Probability Of Intercept Low peak power Frequency Modulated High Operating Frequency
- Advanced Signal Processing





BIG BIRD

<u>Strategies</u>

Complimentary Systems Sensor Fusion



AIR DEFENSE MISSILE TRENDS

- Dual Mode Seeker
- Salvos
- Multi-missile Tracking Capability
- Target Priority TBM, Cruise Missile and Aircraft
- Increased Range



<u>Strategies</u>

Mobility Target Airborne Radars Increase US Air Force Stand-Reduce Cruise Missile Threat